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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/784,730

02/15/2001

Takako Miyazaki

50N3692.01/1567

2650

24272

7590

03/20/2006

EXAMINER

BAYARD, DJENANE M

Gregory J. Koerner

Redwood Patent Law

1291 East Hillsdale Boulevard

Suite 205

Foster City, CA 94404

ART UNIT

PAPER NUMBER

2141

DATE MAILED: 03/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/784,730

Applicant(s)

MIYAZAKI ET AL.

Examiner

Djenane M. Bayard

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 27 December 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-3, 5-23 and 25-45 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3, 5-23 and 25-45 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

### **DETAILED ACTION**

1. This is in response to amendment filed on 12/27/05 in which claims 1-3, 5-23, 25-45 are pending.

#### ***Response to Arguments***

2. Applicant's arguments have been fully considered but they are not persuasive. As per claims 1-9, 21-29 and 42-43, Applicant submitted that their claimed "digital camera device" is not analogous to the "server" taught by Burman and maintained that Burman teaches a data flow that is directly opposite from the data flow from camera to website. The Office recognizes that references cannot be arbitrary combined and that there must be some reason why one skilled in the art would be motivated to make a combination of primary and secondary references. In response to applicant's argument that Burman et al and Shieh are nonanalogous arts, it has been held that a prior art reference must either be in the field of applicant's endeavor or, if not, then be reasonably pertinent to the particular problem with which the applicant was concerned, in order to be relied upon as a basis for rejection of the claimed invention. See *In re Oetiker*, 977 F.2d 1443, 24 USPQ2d 1443 (Fed. Cir. 1992). References are evaluated by what they suggest to one versed in the art, rather than by their specified disclosures. In re Bozek, 163 USPQ 545 (CCPA) 1969. It has been held that a mere reversal working parts of a device involves only routine skill in the art. In re Einstein, 8 USPQ 167. It has been held to be within the general skill of a worker in the art to select a known material on the basis of its suitability for the intended use as a matter of obvious design choice. In re Leshin, 125 USPQ 416. In this case, the Office is using Yano as the principal reference to teach the frame of the claimed invention which the data transfer operation from a source device (digital camera device) to a destination device.

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Burman et al and Shieh are used as second and third references only to teach the transfer manager component of the claimed invention. Therefore, Burman et al and Shieh do not teach away from the presently claimed invention. Furthermore, In response to applicant's argument that Burman et al and Shieh et al are nonanalogous art, it has been held that a prior art reference must either be in the field of applicant's endeavor or, if not, then be reasonably pertinent to the particular problem with which the applicant was concerned, in order to be relied upon as a basis for rejection of the claimed invention. See *In re Oetiker*, 977 F.2d 1443, 24 USPQ2d 1443 (Fed. Cir. 1992). Furthermore, Applicant argues that the submitted claims teaches a data transfer that is "initiated and controlled" by the source device. The applicant is reminded of the clear difference between reading the claims in light of the specification and reading limitations of the specification into the claims. Applicant cannot rely on the specification to impart to the claims limitation not recited therein. Such reliance is ineffective to define over the prior art. In *re Lundberg*, 244 F2d 543, 113 USPQ 530 (CCPA 1957).

As per claims 8, 18 and 28 and 48, Applicant argues that the cited reference fail to disclose the utilization of transfer option fields that are implemented in any manner that is similar to those techniques disclosed and claimed. However, The Office does not have to teach all the limitations of claims 8 and 28, since the claimed language specifies "wherein said **one or more** transfer option fields include **at least one** of a perform transfer option, a cancel transfer option, a postpone transfer option, a change transfer-mode option, and an alter transfer-data option, said alter transfer-data option including at least one of a reduce data-size option, an increase data-size option, a crop image option, a reduce image-resolution option, an increase image-resolution option, and a compress data option. Burman et al clearly teaches wherein

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different By being to determine or monitor transfer time and bandwidth in real time or near real time, or by at least monitoring available bandwidth (including "effective bandwidth") between a user and other devices connected to a computer network, web browsing satisfaction can be increased for the users while advertising over the computer network can be dynamically modified or created, thereby improving the effectiveness of the advertising. Thus, high-bandwidth users will get sophisticated rich media content, while lower bandwidth users will get quicker content downloads from servers. The content selected can be and delivered to a user can be, for example, a black and white image for a low-bandwidth user (e.g., a user connected to a computer network via a 14.4 Kbps modem), a color version of the same image for an average bandwidth user (e.g., a user connected to the computer network via a 28.8 Kbps modem), or an animated or video version for a high-bandwidth user (e.g., a user connected to the computer network via an ISDN or T1 connection). A user's bandwidth may vary over time due to, for example, telephone line noise, the number of users, changes in browser type, etc. Real time or near real time determination of a user's bandwidth or transfer time between the user and another device on the computer network allows selection or dynamic adjustment of the types of images, ads, content, web pages, software, email, etc. to serve or send the user (See page 4, paragraph [0036]).

As per claims 20 and 40, in response to applicant's argument that The Office conclusion of obviousness is based upon improper hindsight reasoning, it must be recognized that any judgment on obviousness is in a sense necessarily a reconstruction based upon hindsight reasoning. But so long as it takes into account only knowledge which was within the level of ordinary skill at the time the claimed invention was made, and does not include knowledge

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gleaned only from the applicant's disclosure, such a reconstruction is proper. See *In re McLaughlin*, 443 F.2d 1392, 170 USPQ 209 (CCPA 1971).

### ***Claim Rejections - 35 USC § 112***

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. Claim 44 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. Applicant claimed “wherein said source device is implemented as a stand-alone digital still camera that performs said data transfer operations to transmit said transfer data to said destination device”. Applicant failed to specify how a source device implemented as a **stand-alone digital camera** can perform data transfer.

### ***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1-9, 21-29, 42-45 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S Patent Application No. 2003/0037158 to Yano et al in view of U.S. Patent Application No. 2001/0010059 to Burman et al and further in view of U.S. Patent No. 6,065,059 to Shieh et al.

a. As per claims 1, 21, 42 and 43, Yano et al teaches a computer-readable medium comprising program instructions for transferring data by performing the steps of: transferring data from a source device to a destination device through a communication path during said data transfer operation, said source device being implemented to include a digital camera device (See page 3, paragraph [0054] and figure 7, A camera server which transfers video data captured by ac camera to a client via a network); However, Yano et al fails to teach determining a transfer duration for said data transfer operation by using a transfer manager of said source device; and providing said transfer duration to a system user of said source device for interactively managing said data transfer operation (See page 4, paragraph [0035]).

Burman et al teaches a significant feature of the present invention is the ability to determine transfer time for data, files, etc. sent or transmitted between devices connected to computer network and the bandwidth between the devices, and the bandwidth for users connected to the computer network. The transfer time for a file to be sent from the ad selection server 32 or the media server 38 to the computer 24 via the computer network 22 can be determined and used in the selection or configuration of files, banners, content, web pages, executable software, email, images, etc. to be delivered or served to the computer 24 (See page 4, paragraph [0035]).

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate determining a transfer duration for said data transfer operation by using a transfer manager of said source device; and providing said transfer duration to a system user of said source device for interactively managing said data transfer operation and wherein said transfer manager provides transfer options on a user interface of said source device, said system user interactively manipulating said transfer data using said transfer options to thereby change said transfer duration into an acceptable time period under current transfer conditions as taught by Burman et al in the claimed invention of Yano et al in order to collect information regarding bandwidth of a computer network and to determine bandwidth between two devices (See page 3, paragraph [0017-0018]). However, Yano et al in view of Burman et al fails to teach wherein the transfer manager is a transfer manager of said source device.

Shieh et al teaches the transfer manager is a transfer manager of said source device.

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate wherein the transfer manager is a transfer manager of said source device as taught by Shieh et al in the claimed invention of Yano et al in view of Burman et al in order to provide greater user control in the process of transferring data (See col. 2, lines 54-56).

b. As per claim 2 and 22, Yano et al in view of Burman et al and further in view of Shieh et al teaches the claimed invention as described above. Furthermore, Yano et al teaches wherein said source device is implemented to include a digital camera device with at least one of a processor, a display, one or more input/output interfaces, a memory, and a user interface (See page 3, paragraph [0054] and figure 7).



c. As per claims 3 and 23, Yano et al in view of Burman et al and further in view of Shieh et al teaches the claimed invention as described above. Furthermore, Yano et al teaches wherein said transfer data includes digital image data, said communication path being coupled to an Internet network, said destination device including an image station website that is coupled to said Internet network (See page 2, paragraph [0031-0035]).

d. As per claims 5 and 25, Yano et al in view of Burman et al and further in view of Shieh et al teaches the claimed invention as described above. However, Yano et al fails to teach wherein said transfer manager includes a bandwidth monitor for determining a current transfer speed for said data transfer operation, a calculation module for determining a data size value corresponding to said transfer data, and for calculating said transfer duration using said data size value and said current transfer speed, an option manager for controlling transfer options to interactively manipulate said transfer data, a data editor for altering said transfer data, and stored transfer parameters that include said data size value, said current transfer speed, and said transfer duration (See page 4, paragraph [0035]).

Burman et al teaches wherein said transfer manager includes a bandwidth monitor for determining a current transfer speed for said data transfer operation, a calculation module for determining a data size value corresponding to said transfer data, and for calculating said transfer duration using said data size value and said current transfer speed, an option manager for controlling transfer options to interactively manipulate said transfer data, a data editor for

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altering said transfer data, and stored transfer parameters that include said data size value, said current transfer speed, and said transfer duration (See page 4, paragraph [0035]).

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate wherein said transfer manager includes a bandwidth monitor for determining a current transfer speed for said data transfer operation, a calculation module for determining a data size value corresponding to said transfer data, and for calculating said transfer duration using said data size value and said current transfer speed, an option manager for controlling transfer options to interactively manipulate said transfer data, a data editor for altering said transfer data, and stored transfer parameters that include said data size value, said current transfer speed, and said transfer duration as taught by Burman et al in the claimed invention of Yano et al in order to collect information regarding bandwidth of a computer network and to determine bandwidth between two devices (See page 3, paragraph [0017-0018]).

e. As per claims 6 and 26, Yano et al in view of Burman et al and further in view of Shieh et al teaches the claimed invention as described above. Furthermore, Yano et al teaches wherein said source device includes one or more input/output interfaces that communicate with at least one of a distributed computer network, an Internet network, a host computer, a cellular telephone network, one or more user interfaces, a wireless communications network, and one or more removable storage media devices (See page 3, paragraph [0054] and figure 7).

f. As per claims 7 and 27, Yano et al in view of Burman et al and further in view of Shieh et al teaches the claimed invention as described above. However, Yano et al fails to teach wherein

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said source device includes a user interface presented by a user interface module and a display manager on a local display device, said user interface displaying a visual representation corresponding to said data transfer operation, said visual representation including a transfer data size field, a transfer speed field, a transfer time field, and one or more transfer option fields for interactive transfer optimizations performed by said system user.

Burman et al teaches wherein said source device includes a user interface presented by a user interface module and a display manager on a local display device, said user interface displaying a visual representation corresponding to said data transfer operation, said visual representation including a transfer data size field, a transfer speed field, a transfer time field, and one or more transfer option fields for interactive transfer optimizations performed by said system user (See page 9).

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate wherein said source device includes a user interface presented by a user interface module and a display manager on a local display device, said user interface displaying a visual representation corresponding to said data transfer operation, said visual representation including a transfer data size field, a transfer speed field, a transfer time field, and one or more transfer option fields for interactive transfer optimizations performed by said system user as taught by Burman et al in the claimed invention of Yano et al in order to determine transfer time for data, files, etc. sent or transmitted between devices connected to a computer network and the bandwidth between devices (See page 4, paragraph [0035]).

g. As per claims 8 and 28, Yano et al in view of Burman et al and further in view of Shieh et

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al teaches the claimed invention as described above. However, Yano et al fails to teach wherein said one or more transfer option fields include at least one of a perform transfer option, a cancel transfer option, a postpone transfer option, a change transfer-mode option, and an alter transfer-data option, said alter transfer-data option including at least one of a reduce data-size option, an increase data-size option, a crop image option, a reduce image-resolution option, an increase image-resolution option, and a compress data option.

Burman et al teaches wherein said one or more transfer option fields include at least one of a perform transfer option, a cancel transfer option, a postpone transfer option, a change transfer-mode option, and an alter transfer-data option, said alter transfer-data option including at least one of a reduce data-size option, an increase data-size option, a crop image option, a reduce image-resolution option, an increase image-resolution option, and a compress data option (See page 4)

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate wherein said one or more transfer option fields include at least one of a perform transfer option, a cancel transfer option, a postpone transfer option, a change transfer-mode option, and an alter transfer-data option, said alter transfer-data option including at least one of a reduce data-size option, an increase data-size option, a crop image option, a reduce image-resolution option, an increase image-resolution option, and a compress data option as taught by Burman et al in the claimed invention of Yano et al in order to determine transfer time for data, files, etc. sent or transmitted between devices connected to a computer network and the bandwidth between devices (See page 4, paragraph [0035]).

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h. As per claims 9 and 29, Yano et al teaches wherein at least one of said system user, a software program, and an electronic entity initially begins said data transfer procedure by issuing a data transfer request to said source device (See page 2, paragraph [0011]).

i. As per claims 44, Yano et al teaches wherein said source device is implemented as a stand-alone digital still camera that performs said data transfer operations to transmit said transfer data to said destination device (See page 2, paragraph [0011]).

j. As per claim 45, Yano et al in view of Burman et al teaches the claimed invention as described above. However, Yano et al fails to teach wherein system user repeatedly utilizes said user interface of said source device to evaluate said transfer duration for each instance of said data transfer operation before allowing said source device to transmit said transfer data to said destination device.

Burman et al teaches wherein system user repeatedly utilizes said user interface of said source device to evaluate said transfer duration for each instance of said data transfer operation before allowing said source device to transmit said transfer data to said destination device (See page 4, paragraph [0035]).

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate wherein system user repeatedly utilizes said user interface of said source device to evaluate said transfer duration for each instance of said data transfer operation before allowing said source device to transmit said transfer data to said destination device as taught by Burman et al in the claimed invention of Yano et al in order to determine transfer time

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for data, files, etc. sent or transmitted between devices connected to a computer network and the bandwidth between devices (See page 4, paragraph [0035]).

7. Claims 10-11 and 30-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S Patent Application No. 2003/0037158 to Yano et al in view of U.S. Patent Application No. 2001/0010059 to Burman et al and further in view of U.S. Patent No. 6,065,059 to Shieh et al as applied to claims 1 and 21 above, and further in view of U.S. Patent No. 5,774,583 to Sasaki et al.

a. As per claims 10 and 30, Yano et al in view of Burman et al and further in view of Shieh et al teaches the claimed invention as described above. However, Yano et al in view of Burman et al and further in view of Shieh et al fails to teach wherein a calculation module from said transfer manager responsively determines a data size value corresponding to said transfer data, said data size value being stored in transfer parameters of a local memory device.

Sasaki et al teaches wherein a calculation module from said transfer manager responsively determines a data size value corresponding to said transfer data, said data size value being stored in transfer parameters of a local memory device (See col. 19, lines 63-67 and col. 20, lines 1-6).

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate wherein a calculation module from said transfer manager responsively determines a data size value corresponding to said transfer data, said data size value being stored in transfer parameters of a local memory device as taught by Sasaki et al in the claimed invention

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of Yano et al in view of Burman et al and further in view of Shieh et al in order to provide an information reproducing (See col. 56-67).

b. As per claims 11 and 31, Yano et al in view of Burman et al and further in view of Shieh et al teaches the claimed invention as described above. However, Yano et al in view of Burman et al and further in view of Shieh et al fails to teach wherein a bandwidth monitor from said transfer manager determines a transfer speed value for performing said data transfer procedure under current transfer conditions, said transfer speed value being stored in said transfer parameters of said local memory device.

Sasaki et al teaches wherein a bandwidth monitor from said transfer manager determines a transfer speed value for performing said data transfer procedure under current transfer conditions, said transfer speed value being stored in said transfer parameters of said local memory device (See col. 19, lines 63-67 and col. 20, lines 1-6).

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate wherein a bandwidth monitor from said transfer manager determines a transfer speed value for performing said data transfer procedure under current transfer conditions, said transfer speed value being stored in said transfer parameters of said local memory device as taught by Sasaki et al in the claimed invention of Yano et al in view of Burman et al and further in view of Shieh et al in order to provide an information reproducing (See col. 56-67).

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8. Claims 12-17 and 32-37 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Application No. 2003/0037158 to Yano et al in view of U.S. Patent Application No. 2001/0010059 to Burman et al further in view of U.S. Patent No. 6,065,059 to Shieh et al as applied to claims 1 and 21 above view of U.S. Patent No. 5,774,583 to Sasaki et al as applied to claim 11 above, and further in view of J.P. Patent Application No. 09-060776 to Norio et al.

a. As per claims 12 and 32, Yano et al in view of Burman et al and further in view of Shieh et al teaches the claimed invention as described above. However, Yano et al in view of Burman et al and further in view of Shieh et al fails to teach wherein a transfer speed module of said communication path periodically provides a bandwidth value to said transfer manager to thereby indicate current bandwidth conditions for any data transfer operations through said communication path, said bandwidth monitor responsively converting said bandwidth value into said transfer speed value that is then stored into said transfer parameters in said local memory device.

Norio et al teaches a communication controller. Furthermore, Norio et al teaches wherein a transfer speed module of said communication path periodically provides a bandwidth value to said transfer manager to thereby indicate current bandwidth conditions for any data transfer operations through said communication path, said bandwidth monitor responsively converting said bandwidth value into said transfer speed value that is then stored into said transfer parameters in said local memory device (See detail description, paragraph [0003-0005]).

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate wherein a transfer speed module of said communication path



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periodically provides a bandwidth value to said transfer manager to thereby indicate current bandwidth conditions for any data transfer operations through said communication path, said bandwidth monitor responsively converting said bandwidth value into said transfer speed value that is then stored into said transfer parameters in said local memory device as taught by Norio et al in the claimed invention of Yano et al in view of Burman et al and further in view of Shieh and further in view of Sasaki et al in order to calculate the transmission speed on a communication line and the number of transmit data (See detail description, paragraph [0007]).

b. As per claims 13 and 33, Yano et al in view of Burman et al and further in view of Shieh in view of Sasaki et al teaches the claimed invention as described above. However, Yano et al in view of Burman et al and further in view of Shieh et al fails to teach Burman et al in view of Sasaki et al fails to teach wherein said source device transmits a bandwidth test packet to one of said communication path and said destination device, said one of said communication path and said destination device responsively returning an acknowledgement of said bandwidth test packet to source device, said bandwidth monitor of said transfer manager responsively calculating said transfer speed value based upon an elapsed test packet transfer time.

Norio et al teaches wherein said source device transmits a bandwidth test packet to one of said communication path and said destination device, said one of said communication path and said destination device responsively returning an acknowledgement of said bandwidth test packet to source device, said bandwidth monitor of said transfer manager responsively calculating said transfer speed value based upon an elapsed test packet transfer time (See detail description, paragraph [0003-0007]).

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate wherein said source device transmits a bandwidth test packet to one of said communication path and said destination device, said one of said communication path and said destination device responsively returning an acknowledgement of said bandwidth test packet to source device, said bandwidth monitor of said transfer manager responsively calculating said transfer speed value based upon an elapsed test packet transfer time as taught by Norio et al in the claimed invention of Yano et al in view of Burman et al and further in view of Shieh et al fails to teach Burman et al in view of Sasaki et al in order to calculate the transmission speed on a communication line and the number of transmit data (See detail description, paragraph [0007]).

c. As per claims 14 and 34, Yano et al in view of Burman et al and further in view of Shieh in view of Sasaki et al teaches the claimed invention as described above. However, Yano et al in view of Burman et al and further in view of Shieh et al fails to teach Burman et al in view of Sasaki et al fails to teach wherein said calculation module from said transfer module calculates a transfer time value corresponding to said transfer duration, said transfer time value being stored in said transfer parameters of said local memory device.

Norio et al teaches wherein said calculation module from said transfer module calculates a transfer time value corresponding to said transfer duration, said transfer time value being stored in said transfer parameters of said local memory device (See detail description, paragraph [0003-0007]).

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate wherein said calculation module from said transfer module calculates a

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transfer time value corresponding to said transfer duration, said transfer time value being stored in said transfer parameters of said local memory device as taught by Norio et al in the claimed invention of Yano et al in view of Burman et al and further in view of Shieh et al fails to teach Burman et al in view of Sasaki et al in order to calculate the transmission speed on a communication line and the number of transmit data (See detail description, paragraph [0007]).

d. As per claims 15 and 35, Yano et al in view of Burman et al and further in view of Shieh in view of Sasaki et al teaches the claimed invention as described above. However, Yano et al in view of Burman et al and further in view of Shieh et al fails to teach Burman et al in view of Sasaki et al fails to teach wherein said calculation module calculates said transfer time value according to a formula:  $\text{Transfer Time Value} = \text{Data Size Value} / \text{Transfer Speed Value}$  where said Transfer Time Value is an amount of time required to complete said data transfer operation in seconds, said Data Size Value is a size of said transfer data in bits, and said Transfer Speed Value is a bandwidth of said communication path for said data transfer operation in bits per second.

Norio et al teaches wherein said calculation module calculates said transfer time value according to a formula:  $\text{Transfer Time Value} = \text{Data Size Value} / \text{Transfer Speed Value}$  where said Transfer Time Value is an amount of time required to complete said data transfer operation in seconds, said Data Size Value is a size of said transfer data in bits, and said Transfer Speed Value is a bandwidth of said communication path for said data transfer operation in bits per second (See detail description, paragraph [0022]).

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate wherein said calculation module calculates said transfer time value according to a formula:  $\text{Transfer Time Value} = \text{Data Size Value} / \text{Transfer Speed Value}$  where said Transfer Time Value is an amount of time required to complete said data transfer operation in seconds, said Data Size Value is a size of said transfer data in bits, and said Transfer Speed Value is a bandwidth of said communication path for said data transfer operation in bits per second as taught by Norio et al in the claimed invention of Yano et al in view of Burman et al and further in view of Shieh et al fails to teach Burman et al in view of Sasaki et al in order to calculate the transmission speed on a communication line and the number of transmit data (See detail description, paragraph [0007]).

e. As per claims 16 and 36, Yano et al in view of Burman et al and further in view of Shieh in view of Sasaki et al teaches the claimed invention as described above. However, Yano et al in view of Burman et al, further in view of Shieh et al and further in view of Sasaki et al fails to teach wherein said system user authorizes said source device to perform said data transfer operation whenever said transfer time value is acceptable under said current conditions.

Norio et al teaches wherein said system user authorizes said source device to perform said data transfer operation whenever said transfer time value is acceptable under said current conditions (See detail description, paragraph [0003-0007]).

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate wherein said system user authorizes said source device to perform said data transfer operation whenever said transfer time value is acceptable under said current

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conditions as taught by Norio et al in the claimed invention of Yano et al in view of Burman et al, further in view of Shieh et al and further in view of Sasaki et al in order to calculate the transmission speed on a communication line and the number of transmit data (See detail description, paragraph [0007]).

f. As per claims 17 and 37, Yano et al in view of Burman et al and further in view of Shieh in view of Sasaki et al teaches the claimed invention as described above. However, Yano et al fails to teach wherein said system user interactively utilizes one or more transfer options that are presented by said source device on a user interface to thereby optimize said data transfer operation under said current conditions (See page 7, paragraph [0076- 0079]).

Burman et al teaches wherein said system user interactively utilizes one or more transfer options that are presented by said source device on a user interface to thereby optimize said data transfer operation under said current conditions (See page 7, paragraph [0076- 0079]).

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate wherein said system user interactively utilizes one or more transfer options that are presented by said source device on a user interface to thereby optimize said data transfer operation under said current conditions as taught by Burman et al in the claimed invention of Yano et al in order to in order to determine transfer time for data, files, etc. sent or transmitted between devices connected to a computer network and the bandwidth between devices (See page 4, paragraph [0035]).

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g. As per claims 18, Yano et al in view of Burman et al, further in view of Shieh et al and further in view of Sasaki et al teaches the claimed invention as described above. However, Yano et al fails to teach wherein said one or more transfer option fields include at least one of a perform transfer option, a cancel transfer option, a postpone transfer option, a change transfer-mode option, and an alter transfer-data option, said alter transfer-data option including at least one of a reduce data-size option, an increase data-size option, a crop image option, a reduce image-resolution option, an increase image-resolution option, and a compress data option.

Burman et al teaches wherein said one or more transfer option fields include at least one of a perform transfer option, a cancel transfer option, a postpone transfer option, a change transfer-mode option, and an alter transfer-data option, said alter transfer-data option including at least one of a reduce data-size option, an increase data-size option, a crop image option, a reduce image-resolution option, an increase image-resolution option, and a compress data option (See page 4)

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate wherein said one or more transfer option fields include at least one of a perform transfer option, a cancel transfer option, a postpone transfer option, a change transfer-mode option, and an alter transfer-data option, said alter transfer-data option including at least one of a reduce data-size option, an increase data-size option, a crop image option, a reduce image-resolution option, an increase image-resolution option, and a compress data option as taught by Burman et al in the claimed invention of Yano et al in order to determine transfer time for data, files, etc. sent or transmitted between devices connected to a computer network and the bandwidth between devices (See page 4, paragraph [0035]).

h. As per claim 19 and 39, Yano et al in view of Burman et al, further in view of Shieh et al and further in view of Sasaki et al teaches the claimed invention as described above. However, Yano et al fails to teach wherein said transfer manager repeatedly recalculates and displays said transfer parameters on said user interface to thereby allow said system user to optimize said data transfer operation under said current conditions.

Burman et al teaches wherein said transfer manager repeatedly recalculates and displays said transfer parameters on said user interface to thereby allow said system user to optimize said data transfer operation under said current conditions (See page 4).

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate wherein said transfer manager repeatedly recalculates and displays said transfer parameters on said user interface to thereby allow said system user to optimize said data transfer operation under said current conditions as taught as taught by Burman et al in the claimed invention of Yano et al in order to determine transfer time for data, files, etc. sent or transmitted between devices connected to a computer network and the bandwidth between devices (See page 4, paragraph [0035]).

9. Claims 20 and 40 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Application No. 2003/0037158 to Yano et al in view of U.S. Patent Application No. 2001/0010059 to Burman et al and further in view of U.S. Patent No. 6,065,059 to Shieh et al as applied to claims 1 and 21 above, and further in view of U.S. Patent No. 6,078,919 to Ginzburg et al.

a. As per claim 20 and 40, Yano et al in view of Burman et al and further in view of Shieh et al teaches the claimed invention as described above. However, Yano et al in view of Burman et al and further in view of Shieh et al fails to teach wherein said system user specifies an optimal value for said transfer duration under current conditions, said transfer manager automatically altering said transfer data using available transfer options to thereby permit said source device to perform said data transfer operation using said optimal value for said transfer duration.

Ginzburg et al teaches wherein said system user specifies an optimal value for said transfer duration under current conditions, said transfer manager automatically altering said transfer data using available transfer options to thereby permit said source device to perform said data transfer operation using said optimal value for said transfer duration (See col. 1, lines 56-67 and col. 2, lines 1-16).

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate wherein said system user specifies an optimal value for said transfer duration under current conditions, said transfer manager automatically altering said transfer data using available transfer options to thereby permit said source device to perform said data transfer operation using said optimal value for said transfer duration as taught by Ginzburg et al in the claimed invention Yano et al in view of Burman et al and further in view of Shieh et al in order to deliver data over a wide variety of different types of network which are protocol independent and transport medium independent (See col. 1, lines 48-53).



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10. Claim 41 is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Application No. 2003/0037158 to Yano et al in view of U.S. Patent Application No. 2001/0010059 to Burman et al and further in view of U.S. Patent No. 6,065,059 to Shieh et al as applied to claims 1 and 21 above, and further in view of U.S. Patent 6,512,778 to Jones et al.

a. As per claim 41, Yano et al in view of Burman et al and further in view of Shieh et al teaches the claimed invention as described above. However, Yano et al in view of Burman et al and further in view of Shieh et al fails to teach the step of entering a hint mode wherein said transfer manager provides one or more transfer options for performing said data transfer operation, and wherein a hint subroutine responsively generates at least one of a transfer recommendation and a transfer explanation for said data transfer operation, said hint subroutine being activated by at least one of a system user action and an automatic initiation event from said source device.

Jones et al teaches the step of entering a hint mode wherein said transfer manager provides one or more transfer options for performing said data transfer operation, and wherein a hint subroutine responsively generates at least one of a transfer recommendation and a transfer explanation for said data transfer operation, said hint subroutine being activated by at least one of a system user action and an automatic initiation event from said source device (See col. 16, lines 47-67 col. 17, lines 1-16).

It would have been obvious to one with ordinary skill in the art at the time the invention was made to incorporate the step of entering a hint mode wherein said transfer manager provides

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one or more transfer options for performing said data transfer operation, and wherein a hint subroutine responsively generates at least one of a transfer recommendation and a transfer explanation for said data transfer operation, said hint subroutine being activated by at least one of a system user action and an automatic initiation event from said source device as taught by Jones in the claimed invention of Yano et al in view of Burman et al and further in view of Shieh et al in order to process media data for transmission in a data communication medium (See col. 6, lines 37-48).

### *Conclusion*

11. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

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12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Djenane M. Bayard whose telephone number is (571) 272-3878.

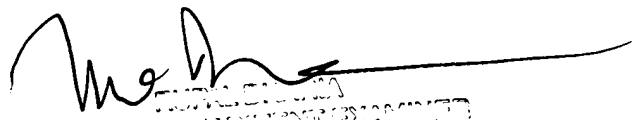
The examiner can normally be reached on Monday- Friday 5:30 AM- 3:00 PM..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia can be reached on (571) 272-3880. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Djenane Bayard

Patent Examiner



SUPERVISOR